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The
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The Commissioner of
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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

J. Todd Johnson

Commissioner of Patents and Trademarks

Margaret V. Turner

Attest



US006000625A

United States Patent [19][11] **Patent Number:** **6,000,625****Cole**[45] **Date of Patent:** **Dec. 14, 1999**[54] **IRRIGATION METHOD**

4,380,600	4/1983	Hosoda et al.	524/458
4,687,505	8/1987	Sylling et al.	71/27
5,185,024	2/1993	Siemer et al.	504/116
5,580,168	12/1996	Alireza et al.	366/153.1
5,741,090	4/1998	Dunning et al.	239/10 X
5,749,672	5/1998	Chamberlain et al.	405/263 X

[75] **Inventor:** **Richard Everett Cole, Oakdale, Calif.**[73] **Assignee:** **Ciba Specialty Chemicals Water
Treatments Limited, Bradford, United
Kingdom**[21] **Appl. No.:** **09/099,218**[22] **Filed:** **Jun. 18, 1998****FOREIGN PATENT DOCUMENTS**

0169674	11/1998	European Pat. Off.
96/02126	2/1996	WIPO

Related U.S. Application Data[60] **Provisional application No.** 60/050,032, Jun. 18, 1997.[51] **Int. Cl.⁶** **A62C 5/02**[52] **U.S. Cl.** **239/10; 239/310; 239/723;
239/727; 239/728; 47/58.1; 71/27; 504/116;
405/263**[58] **Field of Search** **239/1, 10, 302,
239/310, 575, 722, 723, 727, 728; 47/58.1;
71/27; 405/263; 504/116****Primary Examiner**—Andres Kashnikow**Assistant Examiner**—Steven J. Ganey**Attorney, Agent, or Firm**—David R. Crichton[57] **ABSTRACT**

Large crop areas are irrigated, for instance by pivot irrigation, by being sprayed with water into which a substantially stable dispersion in a liquid of water soluble polymer particles has been metered at a predetermined low rate.

[56] **References Cited****U.S. PATENT DOCUMENTS**

3,798,838 3/1974 Hashimoto et al. 47/58.1

13 Claims, No Drawings

AG/W-21739/P1/AC 438

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,000,625
DATED : DECEMBER 14, 1999
INVENTOR(S) : RICHARD EVERETT COLE

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 5 should read:

-- 1. A method of irrigating a crop area of at least 1000 m² --.



Signed and Sealed this
Fifteenth Day of August, 2000

Attest:

Michelle Williams

Attesting Officer

Q. Todd Dickinson

Q. TODD DICKINSON

Director of Patents and Trademarks